Attorney Docket: P-IS 4693 Inventors: Aebersold and Zhou

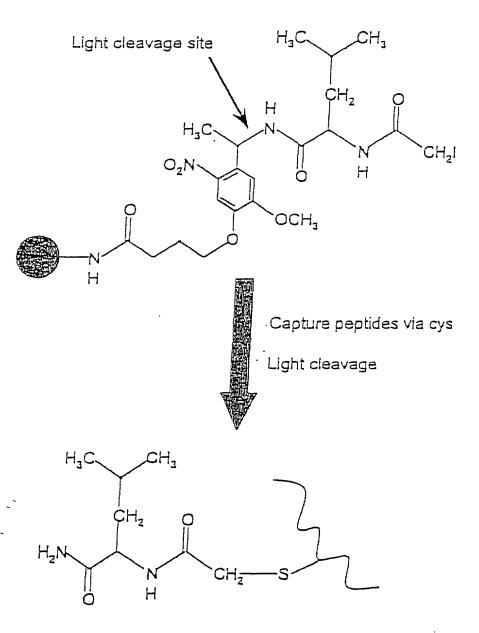


FIGURE 1

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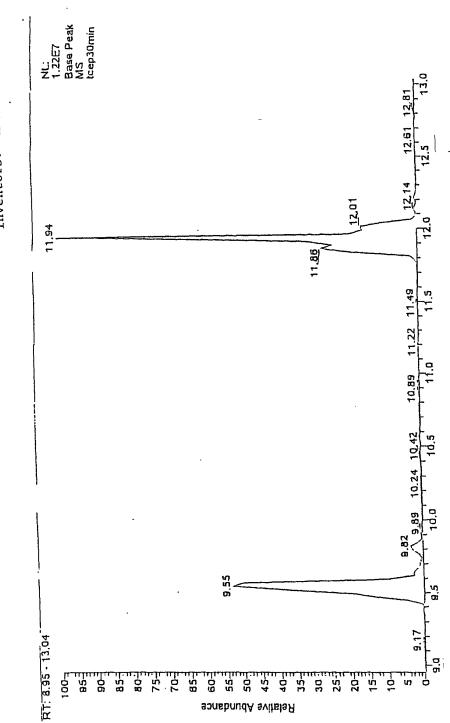


FIGURE 2A

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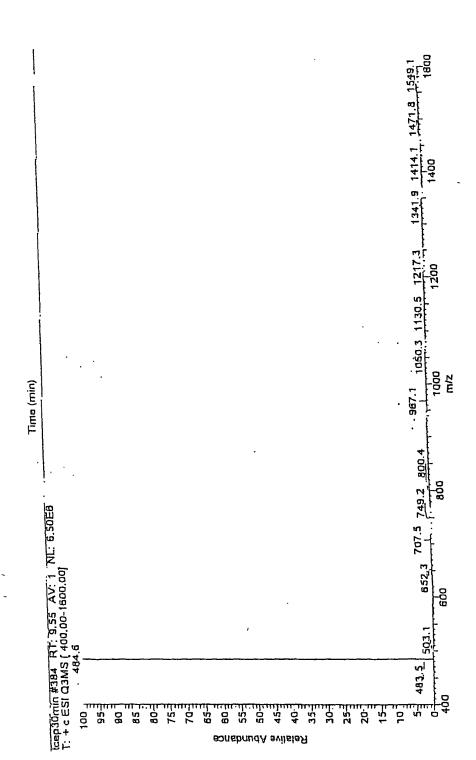


FIGURE 2B

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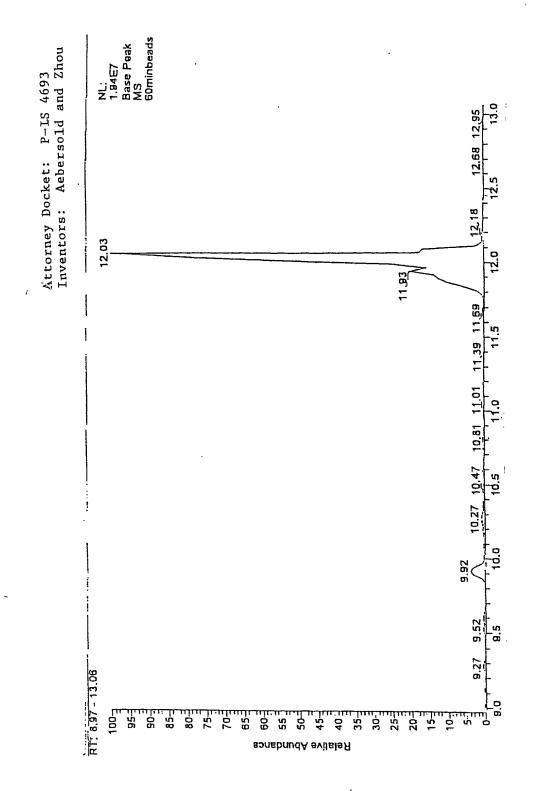
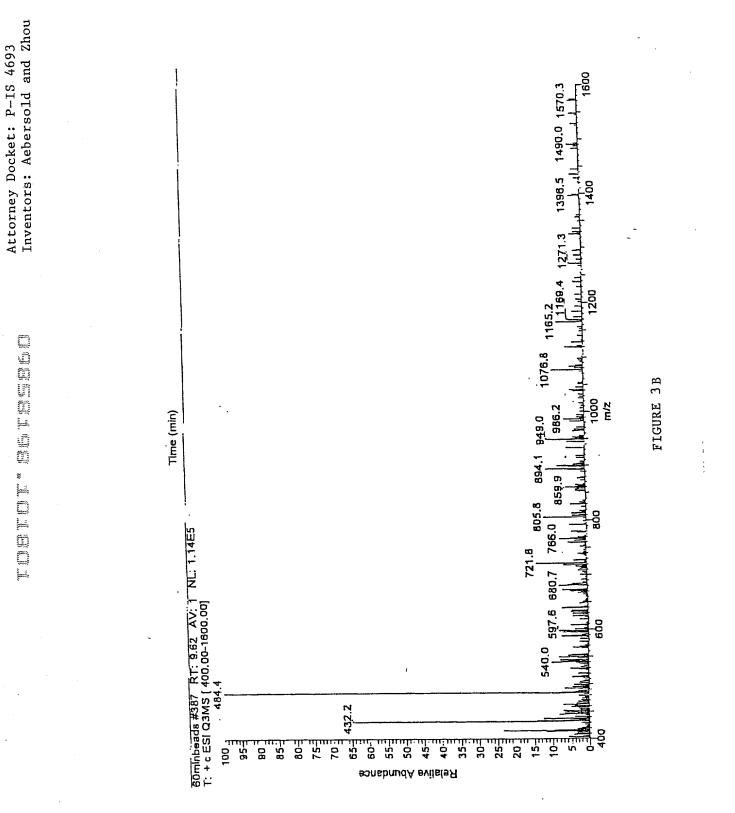


FIGURE 3A

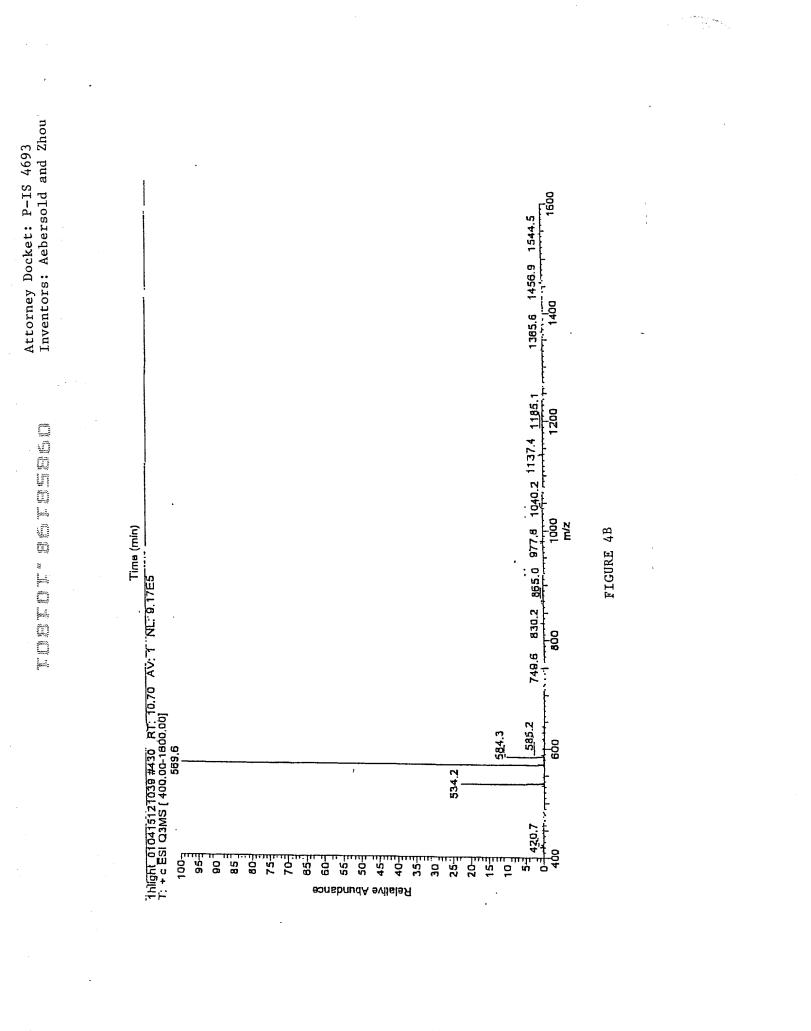
х *г*



NL: 2.09E6 Base Peak m/z≃ 580.0-570.0 MS MS 15121039 14.19 14.46 15.09 <u>_'n</u> . 12.59 13,07 13.52 12.24 12.07 <u>.</u>2 11.72 5 10.72 10.47 9 9.85 RT: 9.19 - 15.18 5-1 9.38 100-951 90 85-30-1 75-1 102 , B 65.1 35-10 esistive Abundance

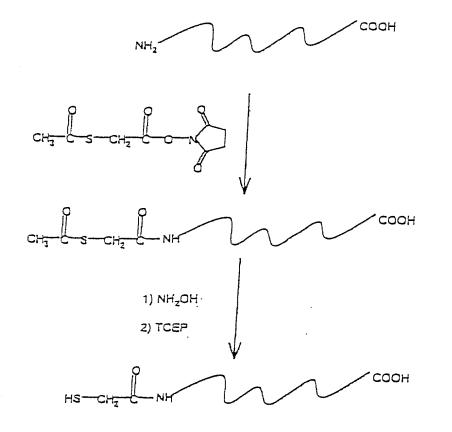
FIGURE 4A

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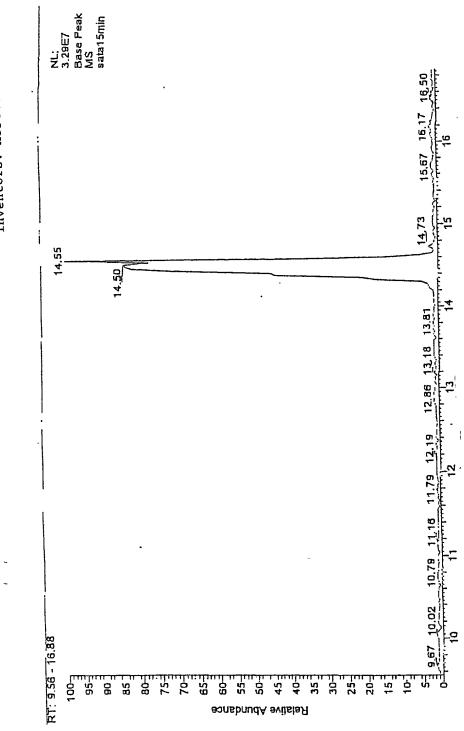


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Attorney Docket: P-IS 4693 Inventors: Aebersold and Zhou

FIGURE 6A

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Attorney Docket: P-IS 4693 Inventors: Aebersold and Zhou

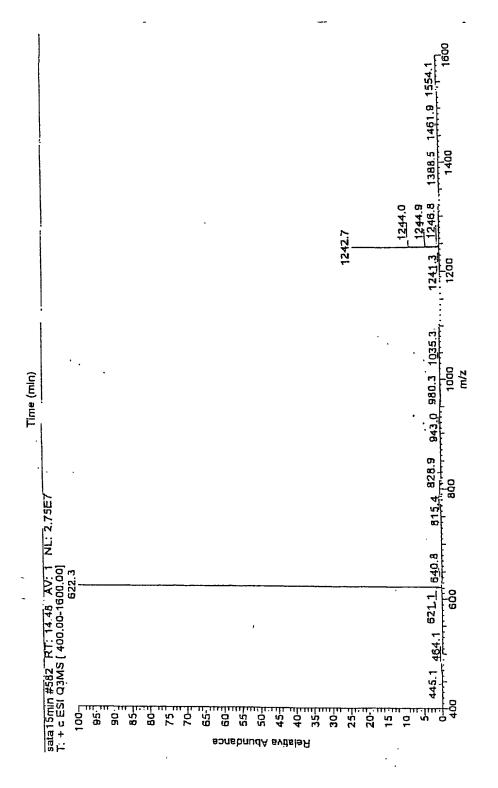


FIGURE 6B

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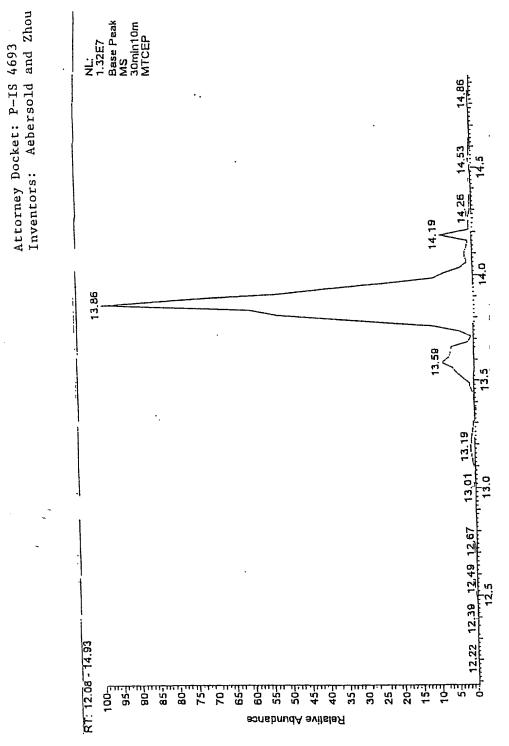


FIGURE 7A

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1318.9 1436.5 560.8 612.0 723.9 800.9 858.4 838.3 1108.9 1198.5 1201.9 11 600 800 858.4 838.3 108.9 1198.5 1201.9 600 m/z Time (mln) 30min10mMTCEP #557 RT: 13.86 AV: 1 NL: 1,32E7 T: + c ESI Q3MS [400.00-1600:00] T: + 0-0-00-1600:00] sonsbrudA svijslaA

FIGURE 7B

1600 1574.9

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Attorney Docket: P-IS 4693 Inventors: Aebersold and Zhou,

Peptides labeled by heavy-beads . Trypsin digest Proteins from sample 2 Mass spectrometry for sequencing and quantification Photo-cleavage Peptides labeled by light-beads Combined Proteins from sample 1 Trypsin digest

FIGURE 8